

**Program for the 2025 CAS - Intensity Limitations in Hadron Beams**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	
	15/06	16/06	17/06	18/06	19/06	20/06	21/06	22/06	23/06	24/06	25/06	26/06	27/06	
08:30	Arrival day and registration	Opening / Local presentation Tecker et al.	Bench Measurements and Simulations of Beam Coupling Impedance	Linac Instabilities + mitigations	Transverse HI ring beam-instabilities + mitigations II	Cyclotrons	Excursion	Beam Based Impedance Measurements	Operation + Maintenance issues	Free study time	Diagnostics in High Intensity Beams I	HI radioactive ion beams	Departure day	
09:30		Introduction and demands for high intensity	Space Charge Effects in Linacs	Numerical methods in high-intensity linacs	Longitudinal HI ring beam-instabilities + mitigations I	Injection		Particle Matter interaction	Collimation		Cryogenics	Ions		
10:40								Coffee						Coffee
11:10		Frontiers for linear machines	Sources and Low Energy Beam Transfer	Lattice design for high intensity rings	Longitudinal HI ring beam-instabilities + mitigations II	FFAs		Numerical methods in high-intensity rings	Vacuum Issues	Diagnostics in High Intensity Beams II	Cooling of high-intensity beams			
12:15		Lunch		Transverse HI ring beam-instabilities + mitigations I	Lunch			Lunch						
13:20		Lunch			Lunch			Lunch						
13:45		Frontiers for circular machines	Neutron Sources	Lunch	Electron Cloud	Sustainability for High-Intensity Machines		Beam loss Mechanisms + Machine Protection	Case studies	Beam Loading	Case studies	Hadron Colliders		
14:45		Wakefields and Impedances I	High-Intensity linac beam-dynamics	Free study time	Intrabeam Effects	Extraction		Beam Loss consequences		RFQ + Cavities (NC + SC)		HI for Accelerator Driven Systems		
16:00		Coffee			Coffee			Coffee						
16:30		Wakefields and Impedances II	Neutrino Factories and Muon Colliders	Poster session	Beam-Beam Effects in Hadron Colliders	Space Charge in Circular Machines		Beam Intercepting devices	Case studies	RF design for high-intensity	Case studies	Closing Tecker		
17:30		1 slide 1 minute			Poster session									
18:45		Welcome reception		Poster session										
20:00		Dinner at Hotel										Banquet		
21:00										Cinema event				